

Encyclopedia article (*Ubiquitin*)

Ubiquitin is a small protein that occurs in most eukaryotic cells. Its main function is to mark other proteins for destruction, known as proteolysis. Several ubiquitin molecules attach to the condemned protein, and it then moves to a proteasome, a barrel-shaped structure where the proteolysis occurs. Ubiquitin can also mark transmembrane proteins (for example, receptors) for removal from the... (continued at Wikipedia)

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ubiquitin

<protein> A protein (8.5 kD) found in all eukaryotic cells. Can be linked to the lysine side chains of proteins by formation of an amide bond to its C terminal glycine in an ATP requiring process.

The protein/ubiquitin complex is subject to rapid proteolysis. Ubiquitin also has a role in the heat shock response.

(18 Nov 1997)

Previous: ubiquinol-cytochrome-c reductase, ubiquinone, ubiquinone-10, ubiquinone-6

Next: ubiquitin-calmodulin ligase, ubiquitin carrier protein kinase

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